

SEQUENCE LISTING

<110> University of Nebraska Board of Regents
Batra, Surinder K.
Hollingsworth, Michael A.

<120> Novel Gene That is Amplified and
Overexpressed in Cancer and Methods of Use Thereof

<130> UNMC63121

<150> 60/079,649

<151> 1998-03-27

<160> 21

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 1937

<212> DNA

<213> Homo sapiens

<400> 1

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gaagaggaga	ttcaggcccc	caccagctcc	aagagatccc	agcagcagc	gaagggtggtg	540
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aagcactttt	ctagtgtgtc	gtttgtgagc	ctttcacttg	tttgttcccc	acccccaaac	1860
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<210> 2

<211> 531
 <212> PRT
 <213> Homo sapiens

<400> 2
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 Pro Asn Ser His Arg Thr Leu Pro Glu Arg Ser Gly Val Val Cys Arg
 20 25 30
 Val Lys Tyr Cys Asn Ser Leu Pro Asp Ile Pro Phe Asp Pro Lys Phe
 35 40 45
 Ile Thr Tyr Pro Phe Asp Gln Asn Arg Phe Val Gln Tyr Lys Ala Thr
 50 55 60
 Ser Leu Glu Lys Gln His Lys His Asp Leu Leu Thr Glu Pro Asp Leu
 65 70 75 80
 Gly Val Thr Ile Asp Leu Ile Asn Pro Asp Thr Tyr Arg Ile Asp Pro
 85 90 95
 Asn Val Leu Leu Asp Pro Ala Asp Glu Lys Leu Leu Glu Glu Glu Ile
 100 105 110
 Gln Ala Pro Thr Ser Ser Lys Arg Ser Gln Gln His Ala Lys Val Val
 115 120 125
 Pro Trp Met Arg Lys Thr Glu Tyr Ile Ser Thr Glu Phe Asn Arg Tyr
 130 135 140
 Gly Ile Ser Asn Glu Lys Pro Glu Val Lys Ile Gly Val Ser Val Lys
 145 150 155 160
 Gln Gln Phe Thr Glu Glu Ile Tyr Lys Asp Arg Asp Ser Gln Ile
 165 170 175
 Thr Ala Ile Glu Lys Thr Phe Glu Asp Ala Gln Lys Ser Ile Ser Gln
 180 185 190
 His Tyr Ser Lys Pro Arg Val Thr Pro Val Glu Val Met Pro Val Phe
 195 200 205
 Pro Asp Phe Lys Met Trp Ile Asn Pro Cys Ala Gln Val Ile Phe Asp
 210 215 220
 Ser Asp Pro Ala Pro Lys Asp Thr Ser Gly Ala Ala Ala Leu Glu Met
 225 230 235 240
 Met Ser Gln Ala Met Ile Arg Gly Met Met Asp Glu Glu Gly Asn Gln
 245 250 255
 Phe Val Ala Tyr Phe Leu Pro Val Glu Glu Thr Leu Lys Lys Arg Lys
 260 265 270
 Arg Asp Gln Glu Glu Glu Met Asp Tyr Ala Pro Asp Asp Val Tyr Asp
 275 280 285
 Tyr Lys Ile Ala Arg Glu Tyr Asn Trp Asn Val Lys Asn Lys Ala Ser
 290 295 300
 Lys Gly Tyr Glu Glu Asn Tyr Phe Phe Ile Phe Arg Glu Gly Asp Gly
 305 310 315 320
 Val Tyr Tyr Asn Glu Leu Glu Thr Arg Val Arg Leu Ser Lys Arg Arg
 325 330 335
 Ala Lys Ala Gly Val Gln Ser Gly Thr Asn Ala Leu Leu Val Val Lys
 340 345 350
 His Arg Asp Met Asn Glu Lys Glu Leu Glu Ala Gln Glu Ala Arg Lys
 355 360 365
 Ala Gln Leu Glu Asn His Glu Pro Glu Glu Glu Glu Glu Glu Met
 370 375 380
 Glu Thr Glu Glu Lys Glu Ala Gly Gly Ser Asp Glu Glu Gln Glu Lys
 385 390 395 400
 Gly Ser Ser Ser Glu Lys Glu Gly Ser Glu Asp Glu His Ser Gly Ser
 405 410 415
 Glu Ser Glu Arg Glu Glu Gly Asp Arg Asp Glu Ala Ser Asp Lys Ser
 420 425 430
 Gly Ser Gly Glu Asp Glu Ser Ser Glu Asp Glu Ala Arg Ala Ala Arg
 435 440 445

Asp Lys Glu Glu Ile Phe Gly Ser Asp Ala Asp Ser Glu Asp Asp Ala
 450 455 460
 Asp Ser Asp Asp Glu Asp Arg Gly Gln Ala Gln Gly Gly Ser Asp Asn
 465 470 475 480
 Asp Ser Asp Ser Gly Ser Asn Gly Gly Gly Gln Arg Ser Arg Ser His
 485 490 495
 Ser Arg Ser Ala Ser Pro Phe Pro Ser Gly Ser Glu His Ser Ala Gln
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 Glu Asp Gly Ser Glu Ala Ala Ala Ser Asp Ser Ser Glu Ala Asp Ser
 515 520 525
 Asp Ser Asp
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<210> 3
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 <212> DNA
 <213> Homo sapiens

<400> 3
 agtgacaaga gtggcagtgg 20

<210> 4
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 4
 gaggacagag gacaggccca 20

<210> 5
 <211> 20
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<400> 5
 cactcggccc aggaggatgg 20

<210> 6
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<400> 6
 gacagtgact gagtcccagg 20

<210> 7
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<400> 7
 ctggatggtg ggcgccata 19

<210> 8
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<400> 8
 cctggtcccg ctttcgttt 19

<210> 9
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 <212> DNA
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<400> 9
 ctaaggcgga ccctgggtt

19

<210> 10
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 10
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 1 5 10 15
 Val Lys Gln Gln Phe
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<210> 11
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 11
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 1 5 10 15
 Ser Gly Thr Asn Ala Leu
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<210> 12
 <211> 18
 <212> DNA
 <213> Homo sapiens

<400> 12
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18

<210> 13
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 <212> DNA
 <213> Homo sapiens

<400> 13
 cgctggccac cccattg

18

<210> 14
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 14
 Arg Val Arg Leu Ser Lys Arg Arg Ala Lys Ala
 1 5 10

<210> 15
 <211> 39
 <212> PRT
 <213> Drosophila melanogaster

<400> 15

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 1 5 10 15
 Arg Ile Asn Asn Cys Leu Asn Glu Leu Lys Ala Asp Ile Leu Glu Lys
 20 25 30
 Thr Val Lys His Leu Gln Glu
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<210> 16
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 16
 His Arg Pro Asn Ser His Arg Thr Leu Pro Glu Arg Ser Val Val Cys
 1 5 10 15
 Arg Val Lys Tyr Cys Asn Ser Leu Asp Ala Thr Ser Leu Glu Lys Gln
 20 25 30
 His Lys His Asp Leu Leu Thr Glu
 35 40

<210> 17
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 17
 Ser Phe Gly Glu Leu Ala Leu Ile Tyr Gly Tyr Pro Arg Ala Ala Thr
 1 5 10 15
 Val Lys

<210> 18
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 18
 Tyr Phe Gly Glu Ile Ala Leu Leu Leu Asn Arg Pro Arg Ala Ala Thr
 1 5 10 15
 Val Val

<210> 19
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 <212> PRT
 <213> Escherichia coli

<400> 19
 Phe Ile Gly Glu Leu Gly Leu Phe Glu Gly Gln Glu Arg Ser Arg Ala
 1 5 10 15
 Lys Thr Ala Cys
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<210> 20
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 20
 Tyr Tyr Asn Glu Leu Glu Thr Arg Val Arg Leu Ser Lys Arg Arg Ala
 1 5 10 15

Lys Ala Gly Val
20

<210> 21

<211> 13

<212> PRT

<213> Homo sapiens

<400> 21

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